



Instructions for Use
Maintenance Instructions
Assembly Instructions

589.0312 - 03.99 - 7

INTRAMatic Shank 7 A
Order no. 534 5110
INTRAMatic Shank 20 A
Order no. 534 5130
INTRAMatic Shank 29 A
Order no. 534 5140

Vertrieb/distribution:
KaVo Dental GmbH Vertriebsgesellschaft
D-88400 Biberach

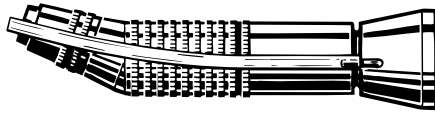
Hersteller/manufacturer:
Kaltenbach & Voigt GmbH
Bismarckring 39
D-88400 Biberach

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Dear dentist:

KaVo hopes that you will benefit greatly from working with your new quality product, the INTRAMatic Shank 7 A, INTRAMatic Shank 20 A and INTRAMatic Shank 29 A. Please observe the following notes to assure continued trouble-free, economical and safe product operation:

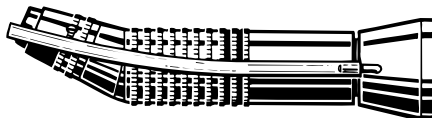


Technical Data

INTRAMatic Shank 7 A
Drive speed: **max. 40,000 rpm.**
Identification mark: 1 green ring
Reduction: **2.7:1**
Maximum speed: **15,000 rpm.**
May be used with **INTRA heads.**



INTRAMatic Shank 20 A
Drive speed: **max. 40,000 rpm.**
Identification mark: 1 blue ring
Transmission: **1:1**
Maximum speed: **40,000 rpm.**
May be used with **INTRA heads.**



INTRAMatic Shank 29 A
Drive speed: **max. 40,000 rpm.**
Identification mark: 2 green rings
Reduction: **7.4:1**
Maximum speed: **5,000 rpm.**
May be used with **INTRA heads.**

Important Remarks



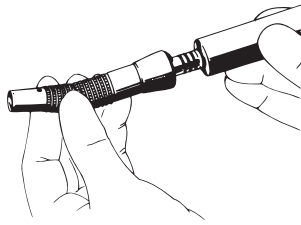
The INTRAMatic shank is:
- Only intended for dental and surgical treatment in the area of dental medicine.
- Use of parts from other sources and any type of manipulation are impermissible and may result in damage or injury.
- A medical product according to the applicable national provisions of law.

In conformity with these regulations, the INTRAMatic shank may only be used by a competent person for the described application, and under consideration of:

- The valid regulations on work safety.
- The valid accident prevention measures.
- These operating instructions.

In conformity with these regulations it is the duty of the user:

- To use only faultless tools.
- To ensure that it is used for the correct purpose.
- To protect patients and third parties from all dangers.
- To avoid any contamination by the product.



Putting into Operation

Connecting to the motor

Connection

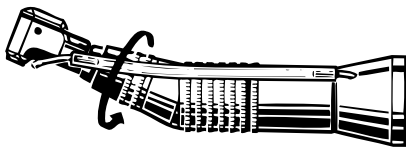
Fit the shank onto the motor coupling and twist until it slots in.

⚠ Before each treatment check by pulling if shank is fixed on motor coupling.

Disconnection

Withdraw the shank from the motor coupling in the opposite direction i.e. remove it easily.

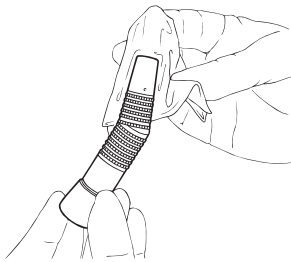
⚠ Do not fit or remove shank with motor running, to prevent damaging the driver.



Connection of INTRA head

Turn the expansion ring in the direction of the arrow up to the stop mark and hold it there. Introduce the INTRA head up to the stop, making sure that the locating lugs rest correctly in the retaining slot. Turn the expansion ring in the opposite direction and tighten firmly.

⚠ Don't place or remove the head during rotation. Check that this expansion ring is tightened firmly before each treatment, to prevent the detachment of the head.



Care Instructions

Cleaning exterior

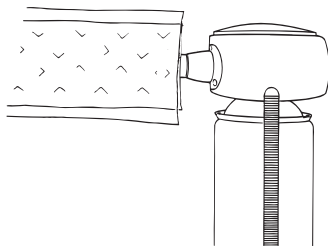
The INTRAmatic shank can be brushed clean under running water, or cleaned on the outside with an alcohol solution.

⚠ Do not place the INTRAmatic shank in an ultrasonic cleaner since this may result in malfunction.

Disinfection

The INTRAmatic shank can be disinfected on the outside with chemical disinfectants (spray disinfectant or wipe clean disinfectants).

⚠ The INTRAmatic shank is not washable in a thermidisinfector. The INTRAmatic shank should not be immersed in disinfectant.



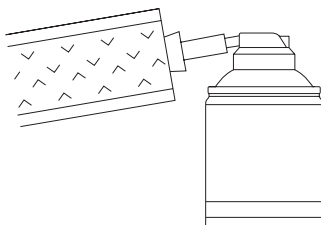
Maintenance with KaVo Sprayrotor

Remove the head from the shank.

Place the shank on the appropriate coupling of the Sprayrotor and cover with Cleanpac sachet.

For further handling please refer to the operating, maintenance and assembly instructions of the Sprayrotor.

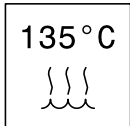
Maintain the shank **twice daily**, at midday and in the evening after surgery, as well as before every sterilization.



Maintenance with KaVo Spray

Remove the head from the shank. Cover with Cleanpac and place on the nozzle of the spray flask. Push button on spray flask for one second. Maintain the shank **twice daily**, at midday and in the evening after surgery, as well as before every sterilization.

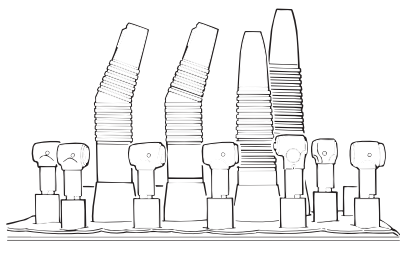
⚠ Improper maintenance and care may result in premature wear and failure. We recommend use of original KaVo lubricants.



Sterilization

The INTRAmatic shank can be sterilized in an autoclave at 138 °C (285 °F).

- ⚠ **Before each sterilization cycle the INTRAmatic shank must be maintained with KaVo Spray.**
- Remove the INTRAmatic shank from the sterilizer immediately after each sterilization cycle to prevent any risk of contact corrosion.**



Accessories

Are supplied by your Dental Depot

Description	Order No.
Instrument stand 2151	411 9501
Cellulose pads, 100 pcs.	411 9862
Cleanpac, 10 pcs.	411 9691
Spray tube (sterilizable)	065 5188
Blanking cap:	524 1102
KaVo Spray 2112 A	411 9640
ROTA Spray 2142 A	411 7520

Further advice for use and safety

- ⚠ **When the INTRAmatic shank will not be used for an extended period of time, it should be cleaned and lubricated according to the instructions and stored in a dry place.**
- Work must stop immediately if there is any damages, unusual running noises or too much vibration.**

To avoid further damage, please contact the KaVo Customer Service Center Warthausen, or a KaVo authorised office or your Dental Depot.